



SEQUENCE LISTING

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<120> PHELIIX: A TESTIS-SPECIFIC PROTEIN
EXPRESSED IN CANCER

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<130> 511582002700

TECH CENTER 1600/2800

<140> 09/389,000

<141> 1999-08-31

<150> 60/098,610

<151> 1998-08-31

<150> 60/106,524

<151> 1998-10-03

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<211> 2128

<212> DNA

<213> Homo sapiens

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<210> 2

<211> 405

<212> PRT

<213> Homo sapiens

<400> 2

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		20					25					30			
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	35					40					45				
Gly	Met	Asp	Ile	Ala	Leu	Thr	Glu	Pro	Leu	Thr	Met	Glu	Lys	Met	Ser
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Asn	Val	Val	Lys	Tyr	Trp	Thr	Thr	Cys	Pro	Ser	Asn	Thr	Val	Lys	Thr
65				70					75					80	
Glu	Asn	Ala	Thr	Gly	Pro	Glu	Glu	Leu	Gly	Leu	Pro	Leu	Gln	Arg	Ser
		85					90						95		
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		100				105						110			
Glu	Ser	Leu	Arg	Asn	Gly	Asn	Gly	Leu	Glu	Leu	Asn	Ala	Ser	Leu	Ser
	115				120						125				
Glu	Phe	Glu	Lys	Asn	Lys	Lys	Ile	Ser	Leu	Leu	His	Ser	Ser	Lys	Glu
	130				135						140				
Lys	Leu	Arg	Arg	Glu	Arg	Ile	Lys	Tyr	Cys	Cys	Glu	Gln	Leu	Arg	Thr
145				150					155					160	
Leu	Leu	Pro	Tyr	Val	Lys	Gly	Arg	Lys	Asn	Asp	Ala	Ala	Ser	Val	Leu
		165					170						175		
Glu	Ala	Thr	Val	Asp	Tyr	Val	Lys	Tyr	Ile	Arg	Glu	Lys	Ile	Ser	Pro
	180				185							190			
Ala	Val	Met	Ala	Gln	Ile	Thr	Glu	Ala	Leu	Gln	Ser	Asn	Met	Arg	Phe
	195				200					205					
Cys	Lys	Lys	Gln	Gln	Thr	Pro	Ile	Glu	Leu	Ser	Leu	Pro	Gly	Thr	Val
	210				215					220					
Met	Ala	Gln	Arg	Glu	Asn	Ser	Val	Met	Ser	Thr	Tyr	Ser	Pro	Glu	Arg
225				230					235					240	
Gly	Leu	Gln	Phe	Leu	Thr	Asn	Thr	Cys	Trp	Asn	Gly	Cys	Ser	Thr	Pro
		245					250						255		
Asp	Ala	Glu	Ser	Ser	Leu	Asp	Glu	Ala	Val	Arg	Val	Pro	Ser	Ser	Ser
	260				265							270			
Ala	Ser	Glu	Asn	Ala	Ile	Gly	Asp	Pro	Tyr	Lys	Thr	His	Ile	Ser	Ser
	275				280						285				
Ala	Ala	Leu	Ser	Leu	Asn	Ser	Leu	His	Thr	Val	Arg	Tyr	Tyr	Ser	Lys
	290				295					300					
Val	Thr	Pro	Ser	Tyr	Asp	Ala	Thr	Ala	Val	Thr	Asn	Gln	Asn	Ile	Ser
305				310					315					320	
Ile	His	Leu	Pro	Ser	Ala	Met	Pro	Pro	Val	Ser	Ser	Phe	Ser	Leu	Gly
		325							330					335	
Thr	Ala	Leu	Leu	Gly	Trp	Ala	Arg	Arg	Ala	Leu	His	Ile	Pro	Thr	Val
	340				345							350			
Cys	Asn	Ser	Phe	Gly	Arg	Ile	Lys	Ser	Thr	Cys	Leu	Lys	Phe	Thr	Leu
	355				360					365					
Ser	Thr	Thr	Tyr	Trp	Ala	Gln	Phe	Asp	Asn	Leu	Gly	Lys	Val	Glu	Gln
	370				375					380					
Arg	Met	Ile	Leu	Lys	Ala	Pro	Pro	Lys	Asp	Leu	Ile	Ser	Lys	Glu	Leu
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<212> PRT
<213> Rattus norvegicus

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20 25 30
Arg Ala Gln Ile Leu Asp Lys Ala Thr Glu Tyr Ile Gln Tyr Met Arg
35 40 45
Arg Lys
50

<210> 4
<211> 24
<212> PRT
<213> Brachydanio rerio

<400> 4
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1 5 10 15
Glu Arg Leu Lys Thr Leu Ile Pro
20

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<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 5
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<210> 6
<211> 42
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA Adaptor 1

<400> 6
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<210> 7
<211> 40
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA Adaptor 2

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<210> 8
<211> 22

<212> DNA
<213> Artificial Sequence

<220>
<223> PCR Primer 1

<400> 8
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<210> 9
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<212> DNA
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<223> Nested primer (NP)1

<400> 9
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<210> 10
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<220>
<223> Nested primer (NP)2

<400> 10
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<210> 11
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<223> RT-PCR primer 22P4G9.1

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10